

VOLTAGE REGULATOR WITH STRESS MODE**ABSTRACT OF THE DISCLOSURE**

An electronic device incorporates a primary function circuit and a voltage regulator that provides a regulated voltage signal to the primary function circuit. The voltage regulator is responsive to a stress-enable signal indicative of whether or not an external voltage supplied to the voltage detector is within a predetermined range. The output voltage signal is controlled to be at a first voltage level when the external voltage is within the predetermined voltage range and at a second voltage level when the external voltage is outside of the predetermined range. The second voltage level may be an elevated voltage level to facilitate stress testing or burn-in of the electronic device.